

ABSTRACT OF THE DISCLOSURE

The present invention provides a method for creating a
5 frozen tissue array. An oil in a liquid form is added into a recipient
block containing frozen tissue cores where the oil has a freezing point
lower than the freezing point of the tissue cores; and the recipient
block containing the oil is cooled to a temperature about equal to or
below the freezing point of the oil; the subsequently frozen oil locks
the frozen cores in the recipient block. The oil may also be added to
the recipient block prior to inserting the frozen tissue cores. The
recipient block may be formed using a cryoarray device comprising a
mold plate, an ejector plate, mold alignment pins, ejector pins, and
cryoarray pins. Such method may be used for preparing frozen
15 sections with multiple tissue specimens for assays such as *in-situ*
hybridization and immunohistochemistry.